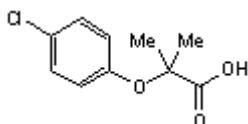


**Certificate of Analysis****Product Name:** Clofibrate acid**Catalog No.:** 0825**Batch No.:** 2

CAS Number: 882-09-7

EC Number: 212-925-9

IUPAC Name: 2-(4-Chlorophenoxy)-2-methylpropanoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub>**Batch Molecular Weight:** 214.65**Physical Appearance:** White crystalline solid**Solubility:** ethanol to 50 mM  
1eq. NaOH to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R<sub>f</sub> = 0.59 (Dichloromethane:Methanol [10:1])**Melting Point:** At 124°C**<sup>1</sup>H NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical	55.96	5.17	0
Found	56.04	5.2	0

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

## Product Information

[www.tocris.com](http://www.tocris.com)**Product Name:** Clofibrate acid**Catalog No.:** 0825**Batch No.:** 2

CAS Number: 882-09-7

EC Number: 212-925-9

IUPAC Name: 2-(4-Chlorophenoxy)-2-methylpropanoic acid

**Description:**

PPAR agonist. Antihyperlipoproteinemic.

**Storage:** Store at RT**Physical and Chemical Properties:**Batch Molecular Formula: C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub>**Solubility & Usage Info:**

ethanol to 50 mM

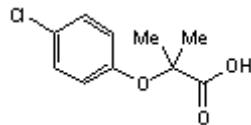
1eq. NaOH to 100 mM

Batch Molecular Weight: 214.65

**Stability and Solubility Advice:**

Physical Appearance: White crystalline solid

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

**Batch Molecular Structure:**

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDs:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.**SOLUTIONs:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.**References:**Merck Index **12** 2437.**Shepherd** (1993) Mechanism of action of fibrates. Postgrad.Med.J. **69** S34. PMID: 8497455.**Forman** *et al* (1997) Hypolipidemic drugs, polyunsaturated fatty acids, and eicosanoids are ligands for peroxisome proliferator-activated receptors  $\alpha$  and  $\delta$ . Proc.Natl.Acad.Sci.U.S.A. **94** 4312. PMID: 9113986.**Bishop-Bailey** (2000) Peroxisome proliferator-activated receptors in the cardiovascular system. Br.J.Pharmacol. **129** 823. PMID: 10696077.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-technne.com**

info@bio-technne.com

techsupport@bio-technne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-technne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**[www.tocris.com/distributors](http://www.tocris.com/distributors)

Tel: +1 612 379 2956